PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	10/689,982	Confirmation No.: 8969
Applicant:	LaColla *et al.*	
Filed:	October 21, 2003	
TC/A.AU.:	1614	
Examiner:	To be assigned	
Docket No.:	06171.105003 IDX 1003 CON US	
Customer No.:	20786	
Title:	Substituted 6 Benzyl-4-Oxopyrimidines, Process for Their Preparation and Pharmaceutical Compositions Containing Them	

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

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Respectfully submitted,

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Sheet	1	of	3

Complete if Known	
Application Number	10/689,982
Filing Date	October 21, 2003
First Named Inventor	LaColla *et al.*
Group Art Unit	1614
Examiner	Unassigned
Attorney Docket Number	06171.105003 IDX 1003 CON

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. [1]	U.S. Patent Document Number	Kind Code [2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pgs, Clmns, Lns, Where Relevant Passages/Relevant Figs Appear
	AA	3,956,302	A	Hunter *et al.*	05-11-1976	
	AB	5,747,500	A	Son *et al.*	05-05-1998	
	AC	5,914,402	A	Choi *et al.*	06-22-1999	
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	AL	2003/0225114	A1	Sommadossi *et al.*	12-04-2003	

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Examiner Initials *	Cite No.[1]	Foreign Patent Document Office [3]	Number	Kind Code [2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T [6]
	AM	EP	0,469,685	A1	Shell Int. Res. Maatsch., (Carter *et al., Chem. Abstr.*, 116:194341)	02-05-1992		
	AN	WO	91/18887	A1	Smith-Kline Beecham (Ife *et al., Chem Abstr.*, 116:128961)	12-12-1991		
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	AP	WO	95/18109 (PCT/KR94/00178)	A1	Korea Res. Inst. of Chem. Techn.	07-06-1995		
	AQ	WO	97/43266 (PCT/KR97/00084)	A1	Korea Res. Inst. of Chem. Techn.	11-20-1997		
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	AS	WO	00/03998	A1	Novirio Pharmaceuticals (Idenix)	01-27-2000		

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	BA	AROYAN, A.A., *et al.*, "Pyrimidine derivatives. Substituted 6-(4'-alkoxybenzyl)pyrimidines," *Arm. Khim. Zh.*, 24(2):161-166 (1971), provided as *Chem Abstr.*, 75:49022.	
	BB	ARTICO, M., "Non-Nucleoside Anti-HIV-1 Reverse Transcriptase Inhibitors (NNRTIs): A Chemical Survey From Lead Compounds to Selected Drugs for Clinical Trials," *Il Farmaco*, 51:305-331 (1996).	
	BC	ARTICO,M.,*et al.*,"3,4-Dihydro-2-alkoxy-6-benzyl-4-oxopyrimidines (DABO's): A new class of specific inhibitors of human immunodeficiency virus Type 1," *Antiviral Chem. Chemother.*, 4(6):361-368 (1993).	
	BD	BABA, M., *et al.*, "Preclinical evaluation of MKC-442, a highly potent and specific inhibitor of human immunodeficiency virus type 1 in vitro," *Antimicrobial Agents & Chemother.*, 38(4):688-692 (April 1994).	
	BE	BALZARINI, J. *et al.*, "Human immunodeficiency virus type 1 drug-resistance patterns with different 1-[(2-hydroxyethoxy)methyl]-6-(phenylthio)thymine derivatives," *Molecular Pharmacology*, 44(4):694-701 (October 1993).	
	BF	BALZARINI, J. *et al.*, "Marked inhibitory activity of non-nucleoside reverse transcriptase inhibitors against human immunodeficiency virus type 1 combined with (-)2',3'-dideoxy-3'-thiacytidine," *Molecular Pharmacology*, 49:882-890(1996).	
	BG	BOTTA, M., *et al.*, "Synthesis, antimicrobial and antiviral activities of isotrimethoprim and some related derivatives," *Eur. J. Med. Chem.*, 27:251-257 (1992).	
	BH	BROWN, T., *et al.*, "Isocytosine H2-receptor histamine antagonists. I. Oxmetidine and related compounds," *Eur. J. Med. Chem.*, 23(1):53-62 (1988), provided as *Chem Abstr.*, 109:210995.	
	BI	COSTI, R., *et al.*, "Structure-activity relationship studies on potential non-nucleoside DABO-like inhibitors of HIV-1 reverse transcriptase," *Antiviral Chem. Chemother.*, 11(2):117-133 (2000).	
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	BL	MAI, A., *et al.*, "5-Alkyl-2-alkylthio-6-(2,6-dihalophenylmethyl)-3,4-dihydropyrimidin-4(3H)-ones," *J. Med. Chem.*, 42(4):619-627 (Bebruary 25, 1999).	
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	BO	MASSA, S., *et al.*, "Synthesis and antiviral activity of new 3,4-dihydro-2-alkoxy-6-benzyl-4-oxopyrimidines," *Antiviral Chem. Chemother.*, 6(1):1-8 (1995). *[Chem. Abstr. 122(1):122513c (1995)].*	

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	CA	NIZI *et al.*, "Solid phase synthesis of 2,6-disubstituted-4(3*H*)-pyrimidinones targeting HIV-1 reverse transcriptase," *Tetrahedron Letters*, 39:3307-3310 (1998).	
	CB	SBARDELLA, G., *et al.*, "Does the 2-methylthiomethyl substituent really confer high anti-HIV-1 activity to *S*-DABOS?" *Med. Chem. Res.*, 10(1):30-39 (2000).	
	CC	SBARDELLA, G., *et al.*, "Structure-activity relationship studies on new DABOS: effect of substitutions at pyrimidine C-5 and C-6 positions on anti-HIV-1 activity," *Antiviral Chem. Chemother.*, 12(1):37-50 (January 2001).	
	CD	TANAKA, H., *et al.*, "Synthesis and antiviral activity of 6-benzyl analogs of 1-[(2-hydroxyethoxy)methyl]-6-(phenylthio)thymine (HEPT) as potent and selective anti-HIV-1 agents," *J. Med. Chem.*, 38(15):2860-2865 (July 21, 1995).	
	CE	TRAMONTANO, E., *et al.*, "Characterization of the anti-HIV-1 activity of 3,4-dihydro-2-alkoxy-6-benzyl-4-oxopyrimidines (DABOs), new non-nucleoside reverse transcriptase inhibitors," *Microbiologica*, 17(4):269-279 (October 1994).	
	CF	WAGLE, M.V., *et al.*, "Tumor inhibitory studies on pyrimidines. I. 2-Amino-4-hydroxy-5-(β-hydroxyethyl)-6-(alkyl or aryl)pyrimidines," *Proc. Indian Acad. Sci., Sect. B*, 70(1):9-14 (1969), provided as *Chem Abstr.*, 71:111298.	

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